

Amendments to claims:

**This listing of claims will replace all prior versions and listing of claims in the application.
Please amend claims 1, 2 and 6 to 8 as indicated.**

Claim 1 (currently amended): A porous aluminum fluoride on which $\text{SbCl}_x\text{F}_{5-x}$ (~~wherein x represents a numeral of 0 to 5~~) is supported, wherein x represents a numeral of 0 to 5.

Claim 2 (currently amended): A process for producing the porous aluminum fluoride according to claim 1, ~~comprising which comprises~~
supporting $\text{SbCl}_y\text{F}_{5-y}$ (~~wherein y represents a numeral of 0 to 5~~) on a porous aluminum fluoride, wherein y represents a numeral of 0 to 5; and
treating the supported $\text{SbCl}_y\text{F}_{5-y}$ it with hydrogen fluoride; and
removing any remaining hydrogen fluoride from the treated supported $\text{SbCl}_y\text{F}_{5-y}$.

Claim 3 (original): A fluorination catalyst comprising the porous aluminum fluoride according to claim 1.

Claim 4 (original): A fluorinating agent comprising the porous aluminum fluoride according to claim 1.

Claim 5 (original): A dehalogenating agent comprising the porous aluminum fluoride according to claim 1.

Claim 6 (currently amended): A process for producing a fluoro compound represented by the formula (2):



comprising (wherein R^1 , R^2 and R^3 each represents hydrogen, a halogen, an alkyl group which may be substituted with a halogen or an ether group, or an alkoxy group; or R^1 , R^2 , and R^3 may

~~be combined with each other to form a ring), which comprises reacting a compound represented by the formula (1):~~



~~(wherein R^1 , R^2 , and R^3 have the same meanings as described above; and X represents chlorine, bromine, or iodine) with hydrogen fluoride in the presence of the catalyst according to claim 3,~~

wherein

R^1 , R^2 and R^3 each represents hydrogen, a halogen, an alkyl group which may be substituted with a halogen or an ether group, or an alkoxy group; or R^1 , R^2 , and R^3 may be combined with each other to form a ring, and

X represents chlorine, bromine or iodine.

Claim 7 (currently amended): A process for producing a fluoro compound represented by the formula (2):



~~comprising (wherein R^1 , R^2 and R^3 have the same meanings as described above), which comprises reacting a compound represented by the formula (1):~~



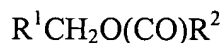
~~(wherein R^1 , R^2 , R^3 and X have the same meanings as described above) with the fluorinating agent according to claim 4,~~

wherein

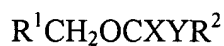
R^1 , R^2 and R^3 each represents hydrogen, a halogen, an alkyl group which may be substituted with a halogen or an ether group, or an alkoxy group; or R^1 , R^2 , and R^3 may be combined with each other to form a ring, and

X represents chlorine, bromine or iodine.

Claim 8 (currently amended): A process for producing an ester represented by the formula (4):



comprising (wherein R¹ represents hydrogen or an alkyl group which may be substituted with a halogen; and R² represents hydrogen or an alkyl group which may be substituted with a halogen);
which comprises reacting an ether compound represented by the formula (3):



(wherein R¹ and R² have the same meanings as described above; X represents fluorine or chlorine; and Y represents fluorine or chlorine) with the dehalogenating agent according to claim
5;

wherein

R¹ represents hydrogen or an alkyl group which may be substituted with a halogen;

R² represents hydrogen or an alkyl group which may be substituted with a halogen;

X represents fluorine or chlorine; and

Y represents fluorine or chlorine.